Index of Claims

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/621,645              | JOHNSON ET AL.                          |
| Examiner                | Art Unit                                |

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| l _                  | ल        | 4/20/5   | <b>↓</b>       |          |  | ŀ        |          |  |                | l            |   | l                   | ō        |          |   |              |                     |              |  |          |          |          | <u>~</u>   |          |            |           |   |   |   |              |  |
| Final                | Original | 15   | †              |          | ł  |          |          |  |                |              |   | Final               | Original |          | - 1   |              |                     | İ            |  |          |          | Final    | Original   |          |            |           |   |   |   |              |  |
| 证                    | ő        | 5  | :              |          |  |          |          |  |                |              |   | ፲፱                  | Ğ        |          |   |              | 1 1                 |              |  |          |          | ίĒ       | ij         |          |            |           |   |   |   | Ì            |  |
|                      |          | -  | Ш              |          | ╙  | ļ        | <u> </u> | <u> </u>   |                | <u> </u>     | l | Ш                   |          | ш        |   | _            | $\perp$             |              |  | 4        | L        |          |            |          |            |           | _   | _   | $\perp$   | $\perp$      |  |
| -                    | 1        | =  | Н              |          | ├-   | -        | L        | <u> </u>   | 1              | _            |   | $\vdash \vdash$     | 51       | $\sqcup$ | 4   |              | $\sqcup$            | _            | 1  | _        | L        | _        | 101        |          |            | _         | _   | $\perp$   | Ц.,   | $\bot$       |  |
|                      | 2        | 11   |                |          | ├  |          | ļ        | ┝  | ┡              | _            |   |                     | 52       | $\sqcup$ | _   |              | $\perp$             |              | +  |          | L        |          | 102        |          | $\sqcup$   | _         | _   | 4   | _   | 4            | <b>↓</b>   |
| 14                   | 3        | l'   | Н              |          | ├  | <u> </u> | -        | ┢  | ╆              | -            |   |                     | 53       | -        | +   | _            | $\vdash$            |              | ++   |          | L        | _        | 103        |          | $\vdash$   | 4         | _   | $\perp$   | +   | +            | Ш  |
| 7                    | 5        | =  | Н              |          | ⊢  | -        | $\vdash$ | -  | ┼              | ├            |   | -                   | 54<br>55 | $\vdash$ | +   | +            | $\vdash$            |              | ┼-┼  |          | L        | _        | 104        | <u> </u> | $\vdash$   | -         | $\dashv$  | +   | +   | +            | $\bot$   |
| 3406                 | 6        | 2  | -              |          | -  |          |          |  | ⊢              | ⊢            |   | $\vdash$            | 56       | $\vdash$ | +   | +            | H                   | +            | +  |          | -        |          | 105<br>106 | _        |            | $\dashv$  |   | +   | -   | +            | ╀┦   |
|                      | 7        | -  | $\vdash$       |          | $\vdash$   | ┢        |          | -  | $\vdash$       | ┢            |   | $\vdash$            | 57       | $\vdash$ | +   | +            | +                   | ╫            | +-+  |          | -        |          | 107        | _        |            | +         | +   | +   | +   | +            | +  |
| 7                    | 8        | 5  | H              |          |  |          |          | <del>                                     </del> | +-             |              |   | $\vdash$            | 58       |          | +   | +            | 1                   | +            | ╁╌┼  |          | -        | -        | 108        |          | $\vdash$   | $\dashv$  | +   | +   | +   | ┿            | +  |
| 9                    | 9        | Ξ  | Н              |          | <del>                                     </del> |          | Н        |  |                | _            |   |                     | 59       |          | +   | +            | $\Box$              | <u> </u>     | +  |          | $\vdash$ | $\dashv$ | 109        |          | $\vdash$   | $\dashv$  | $\dashv$  | +   | +-  | +            | +  |
| 70                   | 10       | Ē  |                |          | $\vdash$   |          |          |  | 1              |              |   |                     | 60       |          | $\top$  | 1            |                     | $\dashv$     | t  | -        | -        | 一        | 110        |          | $\vdash$   | $\dashv$  | +   | +   | +   | ╁            | +  |
| H                    | 11       | =  |                |          |  |          |          |  |                |              |   |                     | 61       | $\sqcap$ | $\dashv$  | $\top$       | $\sqcap$            | 1            | 11   | 7        |          | $\neg$   | 111        | П        | $\vdash$   | $\dashv$  | $\dashv$  | +   | $\top$  | +            | +  |
| 12                   | 12       | 7  |                |          |  |          |          |  |                |              |   |                     | 62       |          | $\top$  |              |                     |              |  | 7        | 厂        |          | 112        | П        | $\Box$     | $\dashv$  | $\neg$  | $\top$  | $\top$  | $\top$       | $\forall$  |
| 13                   | 13       | =  |                |          |  |          |          |  |                |              |   |                     | 63       |          | I   | $oxed{\Box}$ |                     |              |  |          |          |          | 113        |          | $\sqcap$   | $\dashv$  | _   | $\top$  | 1   | T            | $\top$   |
| 14<br>15<br>16<br>17 | 14       | U 11   |                |          |  |          |          |  |                |              |   |                     | 64       |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | Ι            |                     |              |  |          |          |          | 114        |          |            | $\Box$    |   |   |   | T            | $\top$   |
| 15                   | 15       | =  | Ш              |          | <u> </u>   |          |          |  |                |              |   |                     | 65       |          |   |              |                     |              |  |          |          |          | 115        |          |            |           |   |   |   | I            |  |
| 16                   | 16       | ٠  | Ш              |          | <u> </u>   |          | Ш        | Ш  | $\vdash$       |              |   | $oxed{oxed}$        | 66       |          | $\perp$   |              |                     |              |  | _        | L        |          | 116        |          |            |           | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $oxed{\Box}$ |  |
| 12                   | 17       | ~  |                |          | <u> </u>   |          | Ш        |  | <u> </u>       | $oxed{oxed}$ |   |                     | 67       | $\Box$   | _   |              |                     |              |  | _        | L        | [        | 117        |          |            | $\perp$   | $oldsymbol{\perp}$  | $\perp$   |   |              |  |
| 18                   | 18       | =  |                |          | Ш  |          | Ш        | Щ  | <u> </u>       |              |   |                     | 68       | $\sqcup$ | $\perp$   | $\perp$      | $\sqcup$            | _            |  | _        | L        | _        | 118        |          |            | $\perp$   |   |   |   | $\perp$      |  |
| 18                   | 19       | =  | $\sqcup$       |          |  |          | Ш        | Щ  |                |              |   |                     | 69       | $\perp$  | _   |              | $\sqcup$            |              |  | _        | L        | _        | 119        |          |            | _         | _   | $\perp$   | _   | 丄            | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |
| 20<br>21             | 20       | 11 11 11   | Н              |          | _  | Ш        | $\vdash$ | Ш  | ┡              |              |   |                     | 70       | $\vdash$ | -   |              | ш                   | <del> </del> | 1  | -        | L        |          | 120        |          |            | $\dashv$  | 4   | _   |   | $\bot$       | Ш  |
| 27                   | 21       | =  | $\vdash$       |          | _  | _        | Н        | ļ  | ⊢              |              |   |                     | 71       |          | +   | -            | $\vdash$            | +            | <b>├</b>   | -        | L        | _        | 121        |          | _          | 1         | _   | 4-  | 4   | $\bot$       | Ш  |
| 22<br>25             | 22<br>23 | =  | $\dashv$       | _        | _  | -        | Н        | Н  | ⊢              |              |   |                     | 72       | $\vdash$ | +   | -            | H                   |              | ₩  |          | L        | _        | 122        |          |            | _         | $\perp$   | -   | _   | $\bot$       | 44   |
| 201                  | 24       | 1  | $\dashv$       |          | Н  | -        | Н        |  | <del> </del>   |              |   |                     | 73<br>74 | $\dashv$ | 4   | +            | $\vdash$            | -            | $\vdash$   | -        | -        |          | 123        | _        |            | +         | 4   | 4   | -   | 4            | ┦  |
| 24<br>25             | 25       | =  | $\dashv$       |          |  | -        | $\vdash$ |  | H              |              |   | -                   | 75       | +        |   | +            | $\vdash$            |              | ++   |          | -        | $\dashv$ | 124<br>125 |          |            | +         | $\dashv$  | +   | +   | +            | $\dashv$   |
| 26                   | 26       | -  | $\dashv$       |          |  | -        | -        | H  | $\vdash$       | Н            |   |                     | 76       | $\dashv$ | +   | +            | ╁                   | +-           | <del>                                     </del> | $\dashv$ | -        | $\dashv$ | 126        |          |            | $\dashv$  | +   | +   | ╬   | +            | +  |
| 20                   | 27       | <del>                                     </del> | $\exists$      |          |  |          | $\vdash$ |  | -              |              |   | $\vdash$            | 77       |          | +   | +            | <del>   </del>      | +            | $\vdash$   |          | ⊩        |          | 127        | $\dashv$ | -          | +         | +   | ╬   | +   | +            | ╁┤   |
|                      | 28       |  |                |          |  |          | H        |  |                |              |   |                     | 78       | <b>-</b> | ╁   | +            | $\vdash$            | +-           | <del>                                     </del> | -        | $\vdash$ | $\dashv$ | 128        | $\dashv$ | $\dashv$   | +         | +   | +   | +   | +            | ┼┤   |
|                      | 29       |  |                |          |  |          |          |  | П              |              |   |                     | 79       |          | +   | +            |                     | +-           | +  | -        | -        | -        | 129        |          | 十          | 十         | +   | +   | +   | +            | +  |
|                      | 30       |  |                |          |  |          |          |  |                |              |   |                     | 80       |          | _   | _            |                     |              |  | 7        | ┢        | $\neg$   | 130        | _        |            | +         | $\dashv$  | +   | 十   | +            | +  |
|                      | 31       |  |                |          |  |          |          | $\Box$   | П              | $\neg$       |   |                     | 81       |          | $\top$  | $\top$       |                     | +            | $\vdash$   | -        | -        |          | 131        |          | <b>-</b> + | 十         | +   | +   | ╁   | ╁            | +  |
|                      | 32       |  |                |          |  |          |          |  |                |              |   |                     | 82       |          | _   | <b>—</b>     |                     | 1            |  |          | _        |          | 132        | $\neg$   |            | 十         | $\top$  | _   | +   | $\top$       | $\vdash$   |
|                      | 33       |  |                |          |  |          |          |  |                |              |   |                     | 83       |          |   |              |                     | $\top$       |  | 7:::     |          |          | 133        |          |            | $\neg$    | $\top$  | 十   | 1   | T            | $\Box$   |
|                      | 34       | Ш  |                |          |  | $\Box$   |          |  |                |              |   |                     | 84       |          | $\perp$   | $\perp$      |                     |              |  |          |          |          | 134        |          | $\Box$     | 丁         |   |   |   |              |  |
|                      | 35       | _  |                |          |  |          | Щ        | $\Box$   |                |              |   |                     | 85       | $\perp$  | $\perp$   |              | П                   |              |  |          | L        |          | 135        |          | $\Box$     | $\Box$    |   |   |   | oxdot        |  |
|                      | 36       | <u> </u>   | _              | 4        |  |          |          | Щ  | Щ              | _            |   |                     | 86       | _        | _   |              | $\Box$              |              |  | _        | L        | $\bot$   | 136        | 耳        | $\perp$    | $\perp$   | $\Box$  |   | $\perp$   | $oxed{\bot}$ |  |
|                      | 37       | Щ  |                | _        | _  | _        | $\vdash$ |  | Щ              |              |   | $\sqcup \downarrow$ | 87       | $\perp$  | $\bot$  | _            | $\sqcup$            | $\perp$      | -  | _        | L        | [        | 137        | ļ        | $\perp$    | 1         |   | Ţ   | $\perp$   | $\perp$      | $\Box$   |
|                      | 38       | H  | $\dashv$       |          |  | _        | $\dashv$ |  | Ы              | $\dashv$     |   | -                   | 88       | _        | $\perp$   | _            | $\vdash \downarrow$ | $\perp$      | -  | _        | $\vdash$ | _        | 138        | _        | _          | _ _       | _   | ┸   | $\perp$   | 4            | $\sqcup$   |
| $\vdash \dashv$      | 39<br>40 | Н  | -+             | _        | $\dashv$   |          |          | -  | Н              | -            |   |                     | 89       | +        | +   | +            |                     | +            | - -  | -        | L        |          | 139        |          | $\perp$    | 4         | _   | _   | 4   | 4            | $\sqcup$   |
| $\vdash$             |          | Н  | $\dashv$       | $\dashv$ |  | $\dashv$ |          | $\dashv$   | $\vdash\vdash$ | $\dashv$     |   |                     | 90       | -        | +   | +            | $\vdash$            | -            | $\vdash \vdash$                                  | - :::    | $\vdash$ |          | 140        | -        | $\dashv$   | +         | -   | $\bot$  | +   | +            | $\vdash$   |
|                      | 41<br>42 | Н  | $\dashv$       | $\dashv$ |  | $\dashv$ | $\dashv$ | $\dashv$   | Н              | $\dashv$     |   |                     | 91<br>92 |          | +   | +            |                     | +            | - -  | -        | -        |          | 141        | -        | +          | -+-       | +   | +   | +   | +            | $\vdash$   |
|                      | 43       | $\vdash$   | $\dashv$       | $\dashv$ | $\dashv$   |          | -        | $\dashv$   |                | $\dashv$     |   |                     | 93       | -        | +   | +-           | $\vdash$            | +            | - -  | -        | -        |          | 142        |          | $\dashv$   | +         | +   | +   | +   | +-           | $\dashv$   |
|                      | 44       | Н  | $\dashv$       | ᅱ        | ┰  | $\dashv$ | $\dashv$ | $\dashv$   |                | ᅱ            |   | -+                  | 94       | -+       | +   | +            | $\vdash$            | $+ \cdots$   |  | -        | $\vdash$ | $\dashv$ | 143<br>144 | $\dashv$ | $\dashv$   | +         | +   | +   | +   | +            | $\dashv$   |
|                      | 45       | $\vdash$   | <del>-</del> † | ┪        | $\dashv$   | $\dashv$ | -        | _  | $\vdash$       | $\dashv$     |   | -+                  | 95       | $\dashv$ | +-  | +            | +                   | +            | $\vdash \vdash$                                  | $\dashv$ | $\vdash$ | $\dashv$ | 144        | $\dashv$ | $\dashv$   | +         | +   | +   | +   | +            | H  |
|                      | 46       |  | _              | _        | $\dashv$   | $\dashv$ |          | $\dashv$   | $\vdash$       | $\dashv$     | 1 | -+                  | 96       | $\dashv$ | ╁╴  | +            |                     |              | +  | -        | $\vdash$ | $\dashv$ | 146        | $\dashv$ | +          | +         | +   | +   | +   | +            | +  |
|                      | 47       |  | $\dashv$       | _        | $\dashv$   | 7        | _        | _  | $\vdash$       | $\neg$       |   | -+                  | 97       | -        | +-  | +            | +                   | +-           | $\vdash \vdash$                                  | -        | $\vdash$ | $\dashv$ | 147        | -        | +          | +         | +   | +   | +   | +            | $\vdash$   |
|                      | 48       |  | $\neg$         | 7        | _  |          |          | 一  | $\Box$         | 一            |   |                     | 98       | $\dashv$ | $\top$  | +            | $\dagger \dagger$   | +            | $\vdash$   | -        | $\vdash$ | +        | 148        | $\dashv$ | +          | +         | +   | +   | +   | +            | ++   |
|                      | 49       |  |                |          |  |          | 一        |  | П              | $\neg$       |   |                     | 99       | $\neg$   | 1   | $\top$       | $\Box$              | $\top$       |  | 1        | Г        | $\dashv$ | 149        | 一        | $\dashv$   | $\top$    | +   | +   | +   | +            | $\vdash \vdash$  |
|                      | 50       |  |                |          | $\Box$   |          |          |  |                |              |   |                     | 100      |          | 1   | $\top$       |                     |              |  | 7        | Г        | $\dashv$ | 150        |          | _          | $\dagger$ | T   | $\top$  | 十   | $\top$       | $\forall$  |